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SEQUENCE LISTING

<110> Walke, D. Wade Friddle, Carl Johan Mathur, Brian Turner, C. Alexander Jr.

<120> Novel Human GABA Receptors and Polynucleotides Encoding the Same

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TECH CENTER 1600/2900

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Gln Ser Arg Gly Val Arg Leu Val Phe Leu Leu Leu Thr Leu His Leu 20 30

gga aac tgt gtt gat aag gca gat gat gaa gat gat gag gat tta acg 144

Gly Asn Cys Val Asp Lys Ala Asp Asp Glu Asp Asp Glu Asp Leu Thr 35

gtg aac aaa acc tgg gtc ttg gcc cca aaa att cat gaa gga gat atc

Val Asn Lys Thr Trp Val Leu Ala Pro Lys Ile His Glu Gly Asp Ile 50

70

aca caa att ctg aat tca ttg ctt caa ggc tat gac aat aaa ctt cgt 240 Thr Gln Ile Leu Asn Ser Leu Leu Gln Gly Tyr Asp Asn Lys Leu Arg

cca gat ata gga gtg agg ccc acr gta att gaa act gat gtt tat gta 288

Pro Asp Ile Gly Val Arg Pro Xaa Val Ile Glu Thr Asp Val Tyr Val



90 95

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											tta Leu					384
											gtt Val 140					432
											tct Ser					480
											aat Asn					528
											tgt Cys					576
cat His	aac Asn	ttt Phe 195	ccc Pro	atg Met	gat Asp	gaa Glu	cat His 200	tcc Ser	tgt Cys	cca Pro	ctg Leu	gaa Glu 205	ttt Phe	tca Ser	agc Ser	624
											tgg Trp 220					672
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gta Val	Gly	tta Leu	Arg	aac Asn 245	Ser	Thr	Glu	Ile	act Thr 250	His	acg Thr	atc Ile	tcw Xaa	ggg Gly 255	gat Asp	768
tak Xaa	gtt Val	atc Ile	atg Met 260	aca Thr	att Ile	ttt Phe	ttt Phe	gac Asp 265	ctg Leu	agc Ser	aga Arg	aga Arg	atg Met 270	gga Gly	tat Tyr	816
ttc Phe	act Thr	att Ile 275	cag Gln	acc Thr	tac Tyr	att Ile	cca Pro 280	tgc Cys	att Ile	ctg Leu	aca Thr	gtt Val 285	gtt Val	ctt Leu	tct Ser	864
tgg Trp	gtg Val 290	tct Ser	ttt Phe	tgg Trp	atc Ile	aat Asn 295	aaa Lys	gat Asp	gca Ala	gtg Val	cct Pro 300	Ala	aga Arg	aca Thr	tcg Ser	912
ttg Leu	ggt Gly	atc Ile	act Thr	aca Thr	gtt Val	ctg Leu	act Thr	atg Met	aca Thr	acc Thr	ctg Leu	agt Ser	aca Thr	att Ile	gcc Ala	960

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													gat Asp			1008
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gac Asp	aga Arg 370	aag Lys	cta Leu	aaa Lys	aat Asn	aaa Lys 375	gcc Ala	tcg Ser	atg Met	act Thr	cct Pro 380	ggt Gly	ctc Leu	cat His	cct Pro	1152
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cac His	ata Ile	cgc Arg 435	att Ile	gcc Ala	aaa Lys	att Ile	gac Asp 440	tct Ser	tat Tyr	tct Ser	aga Arg	ata Ile 445	ttt Phe	ttc Phe	cca Pro	1344
acc Thr	gct Ala 450	ttt Phe	gcc Ala	ctg Leu	ttc Phe	aac Asn 455	ttg Leu	gtt Val	tat Tyr	tgg Trp	gtt Val 460	Gly	tat Tyr	ctt Leu	tac Tyr	1392
tta Leu 465	taa *															1398

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But

185

cat aac ttt ccc atg gat gaa cat tcc tgt cca ctg gaa ttt tca agc His Asn Phe Pro Met Asp Glu His Ser Cys Pro Leu Glu Phe Ser Ser 195 tat gga tac cct aaa aat gaa att gag tat aag tgg aaa aag ccc tcc 672 Tyr Gly Tyr Pro Lys Asn Glu Ile Glu Tyr Lys Trp Lys Lys Pro Ser 210 215 720 gta gaa gtg gct gat cct aaa tac tgg aga tta tat cag ttt gca ttt Val Glu Val Ala Asp Pro Lys Tyr Trp Arg Leu Tyr Gln Phe Ala Phe 235 230 gta ggg tta cgg aac tca act gaa atc act cac acg atc tct ggg gat 768 Val Gly Leu Arg Asn Ser Thr Glu Ile Thr His Thr Ile Ser Gly Asp 250 245 771 tag <210> 4 <211> 256 <212> PRT <213> homo sapiens <400> 4 Met Gly Pro Leu Lys Ala Phe Leu Phe Ser Pro Phe Leu Leu Arg Ser 10 Gln Ser Arg Gly Val Arg Leu Val Phe Leu Leu Thr Leu His Leu Gly Asn Cys Val Asp Lys Ala Asp Asp Glu Asp Asp Glu Asp Leu Thr Val Asn Lys Thr Trp Val Leu Ala Pro Lys Ile His Glu Gly Asp Ile 55 Thr Gln Ile Leu Asn Ser Leu Leu Gln Gly Tyr Asp Asn Lys Leu Arg 75 Pro Asp Ile Gly Val Arg Pro Thr Val Ile Glu Thr Asp Val Tyr Val 90 85 Asn Ser Ile Gly Pro Val Asp Pro Ile Asn Met Glu Tyr Thr Ile Asp 105 Ile Ile Phe Ala Gln Thr Trp Phe Asp Ser Arg Leu Lys Phe Asn Ser 125 120 Thr Met Lys Val Leu Met Leu Asn Ser Asn Met Val Gly Lys Ile Trp 135 Ile Pro Asp Thr Phe Phe Arg Asn Ser Arg Lys Ser Asp Ala His Trp 150 155 Ile Thr Thr Pro Asn Arg Leu Leu Arg Ile Trp Asn Asp Gly Arg Val 165 170 Leu Tyr Thr Leu Arg Leu Thr Ile Asn Ala Glu Cys Tyr Leu Gln Leu 185 190 His Asn Phe Pro Met Asp Glu His Ser Cys Pro Leu Glu Phe Ser Ser 200

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220

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